Leidy, Robert

From: Upchurch, Jim -FS <jupchurch01@fs.fed.us>
Sent: Friday, June 06, 2014 3:01 PM
To: Leidy, Robert
Cc: cgarrett@swca.com; jean_calhoun@fws.gov; jason_douglas@fws.gov; Goldmann, Elizabeth; Brush, Jason; Jessop, Carter; Ruyle, Jennifer -FS
Subject: RE: current flow conditions on the LCNCA?

Thanks Rob, I believe it has been discussed but it would be a good topic to bring up at the workshop next week and see if there is some agreement on the value of doing this type of work…. As I said earlier I am open to anything reasonable that would help in clarifying the effects on those stream reaches….see you next week on the VTC…Jim

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From: Leidy, Robert [mailto:Leidy.Robert@epa.gov]
Sent: Friday, June 06, 2014 2:56 PM
To: Upchurch, Jim -FS
Cc: cgarrett@swca.com; jean_calhoun@fws.gov; jason_douglas@fws.gov; Goldmann, Elizabeth; Brush, Jason; Jessop, Carter
Subject: RE: current flow conditions on the LCNCA?

Jim,

In reading through SWCA's April 8, 2014 data summary report to Coronado NF, I am wondering if anyone is planning on measuring current (June-July) water depths, flows, temperatures, and the linear extent and area of wetted-channel at multiple cross sections on Empire Gulch, Gardner Canyon, and at the stream gage on upper Cienega Creek, and elsewhere, prior to the onset on the monsoon season. I'm thinking something a bit more rigorous than the standard wet-dry mapping would be useful. For example, it would be useful to understand water depth distributions in the channels during the driest time of year under conditions of record drought. Such information might inform us of the relative risk of drying as a result of relatively small changes in water levels. On Empire Gulch one could easily and quickly measure and map these variables along transects at 25-50 ft. intervals beginning at the springhead and continuing downstream until the channel goes dry.

This might be a field day or two well spent given the limitations of the models. I'm happy to help!

Best,

Rob

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